

Abstract of the Disclosure

An electric heater assembly suitable for heating molten metal, the electric heater assembly having a sleeve comprised of a closed end suitable for immersing in the molten metal. The sleeve is fabricated from a composite material comprised of titanium alloy and having an outside surface to be exposed to the molten metal coated with a refractory resistant to attack by the molten metal having a sealant metal applied thereto; and an electric heater located in the sleeve in heat transfer relationship therewith.